

Headquarters U.S. Air Force

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Preventive Medicine Update to the Armed Forces Epidemiological Board

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Overview

- **Windows for multi-dose/booster immunizations (adults)**
 - **General rules**
 - **Application**
 - **Booster vaccines**
 - **“Yellow periods”**
- **Discussion**



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General Rule

Interval between doses of the same vaccine

- A. Increasing the interval between doses of a multi-dose vaccine does not diminish the effectiveness of the vaccine**
- B. Decreasing the interval between doses of a multi-dose vaccine may interfere with antibody response and protection**
 - Vaccine doses should not be given at the intervals less than the minimum intervals**

Source: Pink Book, 7th ed., Jan 03



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Application

- **How do these general rules apply to the booster dose?**
- **Can booster dose vaccine be given earlier than the recommended intervals?**
 - **Example: Td current w/in 5 years for “dirty” wounds**
 - **Benefits of providing early booster dose:**
 - **Provide more time/opportunity to reach personnel**
 - **Ensure vaccination status remains current**
 - **Prevent overdue, especially during deployment**



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Application

- **AF policy requires immunizations are monitored and kept current in the AF Complete Immunization Tracking Application (AFCITA)**
- **AFCITA prompts vaccination**
 - **“Green”- Vaccination current; no action**
 - **“Yellow”- Due for vaccination; drives action**
 - **“Red” - Overdue; negative impact on Individual Medical Readiness (IMR) rate**



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“Yellow Periods” for Multi-dose Vaccines

Vaccine	Dose #	Date YP starts	Additional YP
Hep A	2	6 mos after dose #1	+ 6 mos
Hep B	2	1 mos after dose #1	+ 1 mos
	3	5 mos after dose #2	+ 1 mos
Varicell	2	4 wks after dose #1	+ 1 mos

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“Yellow Periods” for Booster Vaccines

Vaccine	Dose #	Date YP starts	Additional YP
Meningococcal	Q 5 yr	4 yrs 9 mos from last dose	+ 3 mos
Td	Q 10 yr	9 years 9 mos from last dose	+ 3 mos
Typhoid, injectable	Q 2 yr	1 year 9 mos from last dose	+ 3 mos
Yellow Fever	Q 10 yr	9 years 9 mos	+ 3 mos

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Conclusion/Discussion

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- **“Yellow Periods:” Adapted for AFCITA management and to meet operational demands**
 - **Increase opportunity for vaccination**
 - **Maintain currency**
 - **Ensure deployed expeditionary forces are protected**
- **Discussion: Reasonable, safe, provides adequate immunity?**